

Remarks/Arguments

Claims 1-5 and 7-12 are pending. The claims have been amended to more clearly and distinctly claim the subject matter that applicant regards as his invention. Support for the amendment is provided in the specification in, for example, page 2, lines 25-30. No new matter is believed to be added by the present amendment.

Rejection of claims 1-4 and 8-9 under 35 USC 103(a) as being unpatentable over Komeno (US Pat No 6351599) in view of Stahl et al (US Pat No 6665020)

Applicant submits that present claims 1-4 and 8-9 are patentably distinguishable over Komeno in view of Stahl because the suggested combination fails to teach or suggest each and every limitation of the amended claims.

Amended claim 1 recites "... receiving from said digital video disc player, via said digital bus, **bit-map data representative of a subpicture associated with said program content stream and enabling user navigation through the video program**, said bit-map data being suitable for display, said bit-map data being received via a second type of transfer mechanism... (emphasis added)" Applicant submits that neither Komeno nor Stahl teach or suggest this limitation.

In response to Applicant's response filed June 9, 2005, the Office Action states "... It is noted that Komeno teaches the **subpicture (menu)** is associated with the video content. See Komeno column 2, lines 55-57, column 4, lines 1-10, column 5, lines 60-65 (OA, page 6, paragraph 4, emphasis added)."

However, the Office Action also states "... Komeno discloses ... receiving from said digital video player bit-map data representative of a **subpicture (menu information)** associated with said **program content stream (menu)**, the bit-map data being suitable for display said bit-map data received from said digital video disc player (column 4, lines 1-11)...(OA, page 2, last paragraph, emphasis added)." Thus, it is somewhat unclear as to whether the Examiner is alleging that the subpicture corresponds to the menu described by Komeno or to the information contained within the menu.

In any event, applicant submits that Komeno fails to disclose or suggest the subpicture recited in amended claim 1. Amended claim 1 recites that the subpicture is associated with program content stream, which is **representative of a video program** stored on a disk and enabling user **navigation through the video program**. The menu and menu information described in Komeno provides a listing of the programs stored on an image storage, but is not itself associated with a program content stream that is in turn representative of a video program.

Komeno is directed to the problem of providing an interface to enable a user to easily determine the programs that are stored on the image storage device 14 and **select a program** for playback (see abstract, col. 2, lines 13-27; col. 5, lines 60-65). Komeno does not mention or suggest a subpicture associated with a specific video program and enabling navigation through that video program. In that regard, Komeno provides a display that includes a menu portion 12a and a picture portion 12b. The image signals that correspond to the menu portion 12a and picture portion 12b are provided by the various display parts and combined by the image display control circuit 13.

To form the menu, the system of Komeno first selects the most appropriate menu template and then fills in the menu with the required information (col. 6, lines 1-29). The information used to generate the menu include the channel number associated with the recorded programs, the genre of programs, the program start times and the program finish times. The generated menu is then displayed with a picture image that is representative of a program associated with cursor 24 on display 12.

Clearly, the menu of Komeno provides a listing of the programs and information associated with the program recording, and allows for selection of a particular program. It is a graphical listing that enables the viewer to quickly determine which programs are stored in picture image storage device 14 and select a particular program for playback. However, the menu is not associated with a specific video program and does not allow for user navigation through that video program.

In view of the above, Applicant submits that neither the menu nor the information that is used to generate the menu corresponds to the recited subpicture of amended claim 1. The recited subpicture is associated with program

content stream that is representative of a specific video program and enables user navigation through the video program. The menu of Komeno, although it may provide a listing of programs and program related information, is not associated with a specific video program and enables navigation through the video program.

Therefore, applicant submits that Komeno fails to teach or suggest the above mentioned limitation of amended claim 1.

The Stahl reference is cited as teaching that compressed data is expanded in the digital processing apparatus and the program content and bitmap are transmitted to the processing apparatus by a first type mechanism and second type mechanism respectively.

However, even assuming arguendo that Stahl teaches the above, applicant submits that Stahl still fails to teach or suggest the above-mentioned limitation, and thus, the combination of Komeno and Stahl fails to teach or suggest each and every limitation of amended claim 1, and the claims that depend therefrom.

Amended claim 3 similarly recites the above-mentioned limitation in apparatus form. Thus, applicant submits that amended claim 3, and the claims that depend therefrom, are patentably distinguishable over the suggested combination of Komeno and Stahl.

Rejection of claims 5, 7 and 10-12 under 35 USC 103(a) as being unpatentable over Komeno (US Pat No 6351599) in view of Stahl et al (US Pat No 6665020) and Yanagihara et al (US Pat No 6211800)

Claim 5 has been amended to recite "... subpicture stream associated with said MPEG-PS digital stream, and enabling user navigation through the video program." Similarly, Claim 10 has been amended to recite "... subpicture information associated with said program content stream and enabling user navigation through the video program."

For the reasons discussed above, applicant submits that the combination of Komeno and Stahl fail to teach or suggest the additional limitation of amended claims 5 and 10.

Yanagihara has been cited as teaching a disc player having a convertor for converting a MPEG PS to a MPEG TS, and a first type of mechanism for transferring the TS stream. However, even assuming arguendo that Yanagihara

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teaches the above cited features, Yanagihara fails to teach or suggest the above mentioned limitation of amended claims 5 and 10. Thus, Yanagihara fails to cure the defect of Komeno and Stahl as applied to claims 5 and 10, and applicant submits that claims 5 and 10, and the claims that depend therefrom, are patentably distinguishable over the suggested combination of references.

Finally, regarding the Response to Arguments, the Office Action states that "... Komeno teaches the subpicture (menu) is associated with the video content." However, applicants note that the claims recite that the subpicture is associated with a video program.

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Having fully addressed the Examiner's rejections it is believed that, in view of the preceding amendments and remarks, this application stands in condition for allowance. Accordingly then, reconsideration and allowance are respectfully solicited. If, however, the Examiner is of the opinion that such action cannot be taken, the Examiner is invited to contact the applicant's attorney at (609) 734-6815, so that a mutually convenient date and time for a telephonic interview may be scheduled.

Respectfully submitted,
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I hereby certify that this amendment is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Mail Stop RCE, Commissioner for Patents, Alexandria, Virginia, 22313-1450 on:

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